

From: [Randell, George](#)
To: [Withrow, Mark](#)
Subject: RE: Wilmington Marine Services Proposed Sampling Plan for USEPA
Date: Wednesday, January 03, 2018 11:24:24 AM
Attachments: [correspondence](#) [proposed sample locations.PNG](#)

Hello and Happy New Year Mark. I have received the proposed characterization sample and analysis plan. I have provided some comments below in red.

Thank you

George Randell

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From: Withrow, Mark [mailto:MWithrow@portla.org]
Sent: Tuesday, January 02, 2018 6:44 PM
To: Randell, George <Randell.George@epa.gov>; Sadrpour, Shirin <SSadrpour@portla.org>; Benfield, Heather <Heather.Benfield@tetrattech.com>; O'Donnell, Maclyn <Maclyn.O'Donnell@tetrattech.com>
Subject: Fwd: Wilmington Marine Services Proposed Sampling Plan for USEPA

Good Evening George,
Attached please find our proposed sampling location map and a summary table of our previous groundwater sampling data which we had not provided. PCBs were not detected in the two grab samples that we collected to date. This data table doesn't include the detections/non-detections of PCBs
A brief explanation of our map and sampling plan is provided below.

The entire Site has been divided into a 50-foot by 50-foot grid with a smaller grid of 25-foot by 25-foot grid to delineate the western section of the Site, based on observed elevated metals and PCBs; New locations are green circles.

Previous sample locations without PCB analysis will be resampled for PCBs. These locations will be adjacent to the original sample locations (red Xs on the map);

There seems to be red X's missing for Tt-WMS17 and Tt-WMS4.

Is the resampling of Tt-WMS9 a soil or Hydropunch sample?

Areas with elevated concentrations will be further delineated with 10-foot step-out sampling locations and include (yellow circles on the map)

- TPH and PCB contamination near Tt-WMS38 and Tt-WMS39
- Metal and PCB contamination near Tt-WMS53, Tt-WMS40, and Tt-MWS5

Soil samples will be collected at 0.5, 2.5, and 5 ft bgs and analyzed for moisture content, PCBs, Metals, and TPH at all sampling locations;

- Samples will be analyzed via USEPA Method 8082 with the Soxhlet extraction method (3540C) for PCBs
- Samples will be analyzed via USEPA Methods 6010/7471 (mercury) for Title 22 Metals
- Samples will be analyzed via USEPA Method 8015 for TPH-gasoline C4-C12 and TEPH C13-40;

➤ All analytical data will be reported on a dry weight basis. Please provide results in mg/kg (ppm).

Two groundwater samples will be collected via the Hydropunch technique within the two areas of highest concern: adjacent to locations

Tt-WMS20 and Tt-WMS53 (blue circles) and will be analyzed for PCBs, Metals, and TPH-gasoline C4-C12 and TEPH C13-40;

Please provide both filtered and unfiltered results for the groundwater samples. Would you also please sample for VOC as well.

We look forward to our upcoming conference call. Please let us know if you need anything else.

What are the results for the samples Tt-SB10 and 11.

Are there any sewer/storm water drainage areas, or underground conduits? If so have they been sampled?

I propose two more additional samples to be taken in accordance with your proposed 10 foot grid just west of both previous PCB samples points at Tt-WMS55 and 57. I have provided an example with proposed sample locations.

Regards,
Mark

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